

Sequence logo showing the conservation of amino acids across 1000 positions of various lir3_A orthologs. The x-axis represents positions 10 to 990. The y-axis lists orthologs: 24645332.f, 24645330.f, 24645334.f, 24645336.f, 31208911.i, 33859552.m, FES.h, 34857370.m, 40796153.v, 9626155.v, 6679773.m, FER.h, lir3_A.

1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190

1200|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....

24645332.f **LDDRLKRLQPSDDVNAIESAEEENHIQTRKLAKDPDSQTTRKRSSESSECRSSKDITSHKKRSLSFSQKSISNIFSNLKEFSKSPLVRMGKHNILNEEQDAKRTQPSQHHHSSGDCPTN**SSSSNNNNNNKNTSSNNHSASQSTIITTTITTTTTTPSKENSRLKFKRSKPCKQC

24645330.f **KTRRRIRHPSKSVPFDFAKE**

24645334.f

24645336.f

31208911.i

33859552.m

FES.h

34857370.m

40796153.v

9626155.v

6679773.m

FER.h

lir3_A

1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1330 1340 1350 1360 1370 1380 1390

1400|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....

24645332.f **FEVEQPAGSSAADEQFCNCPPAGQKPVKPSVQISGHKDHPFESSSGELDENSDRIDNDEEEEDSASDSDLMSMKDHCYCVPSSLAAE**

24645330.f **ISLSTNPPLIEEEFFHCVLPFEEFFCVVPLNNNDGDFLVRRETIRNEE**

24645334.f **ISLSTNPPLIEEEFFHCVLPFEEFFCVVPLNNNDGDFLVRRETIRNEE**

24645336.f **ISLSTNPPLIEEEFFHCVLPFEEFFCVVPLNNNDGDFLVRRETIRNEE**

31208911.i **IFRKFSIPPPLODVPVCPVPLPEQLYHGAPWAEVALLHTGD**

33859552.m **MTLIFRKFQF**

FES.h

34857370.m

40796153.v

9626155.v

6679773.m

FER.h

lir3_A

1410 1420 1430 1440 1450 1460 1470 1480 1490 1500 1510 1520 1530 1540 1550 1560 1570 1580 1590

1600|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....|.....

24645332.f **TVKSGAILLRRVGRERWESNDVVLLERIGRCNGDVKYKA-**

24645330.f **KLKSTKLDVAVKTCRMILPDEOKRKFLQEPGRILKQYDHBNIVKLIGICVQKCPIMIVMEVLGGSLITYLRKNNSNGLT**

24645334.f **KLKSTKLDVAVKTCRMILPDEOKRKFLQEPGRILKQYDHBNIVKLIGICVQKCPIMIVMEVLGGSLITYLRKNNSNGLT**

24645336.f **KLKSTKLDVAVKTCRMILPDEOKRKFLQEPGRILKQYDHBNIVKLIGICVQKCPIMIVMEVLGGSLITYLRKNNSNGLT**

31208911.i **TIIKSPKSVLGSSTVCDIVISVGSSPQDQGKQQDFFLVRRESH**

33859552.m **TIIKSPKSAGVSSALSDMHSIISPEADYHYGAPEQLEKKQGDFFLVRRESH**

FES.h

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6679773.m

FER.h

lir3_A

1610 1620 1630 1640 1650 1660 1670 1680 1690 1700 1710

24645332.f **EVKTAPEALNFKYTSLCDVSYGILMBIFSKPDTPEVSINTNSRARERIDTYRMRPTPSDEEMYRMLMOCWADDESRPBFEDYIVVVDAIILRDNSh**

24645330.f **EVKTAPEALNFKYTSLCDVSYGILMBIFSKPDTPEVSINTNSRARERIDTYRMRPTPSDEEMYRMLMOCWADDESRPBFEDYIVVVDAIILRDNSh**

24645334.f **EVKTAPEALNFKYTSLCDVSYGILMBIFSKPDTPEVSINTNSRARERIDTYRMRPTPSDEEMYRMLMOCWADDESRPBFEDYIVVVDAIILRDNSh**

24645336.f **PIKTAPEALNFKYTSLCDVSYGILVBFISRPDTPEVSINTNSMARERIDTYRMPAPGAPPMEYRMLMOCWADDESRPBFEDYIVVVDAIILCTKD-**

33859552.m **PIKTAPEALNYGRYSESSEDVNSFGILLBIFSLCAFSVNPINTNSQOIREFVEKCHRIFPCBLCDDAVFRMLMEQCVAYEPCQRDSFTIICQBCQSHRKER**

FES.h **PIKTAPEALNYGRYSESSEDVNSFGILLBIFSLCAFSVNPINTNSQOIREFVEKCHRIFPCBLCDDAVFRMLMEQCVAYEPCQRDSFTIICQBCQSHRKER**

34857370.m

40796153.v

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lir3_A